

Amendments to the Claims:

This listing of the claims will replace the prior version as provided in the originally filed application.

Listing of Claims:

Claims 1-28 (cancelled)

29. (Amended) A method of creating a coating on an article structured to contact physiological fluids or tissue, the method comprising the steps of:

bonding [applying] a hyaluronic acid solution to a surface of the article without photochemical treatment; and

applying a heparin solution to the surface of the article.

30. (Amended) The method of claim 29, wherein the hyaluronic acid solution has a pH adjusted to a [that may] range between about 1 and 6.5 to promote bonding with the surface of the article [pH1 to about pH6.5].

31. (Original) The method of claim 29, wherein the heparin solution has a pH of about 2.

32. (Amended) A method of creating a coating on an article structured to contact physiological fluids or tissue, the method comprising the steps of:

applying a solution containing both hyaluronic acid and heparin molecules to a surface of the article, wherein at least some of the hyaluronic acid molecules bond with the surface of the article without photochemical treatment.

Claims 33-37 (Cancelled)

38. (New) The coating composition of claim 29, wherein the hyaluronic acid has a molecular weight that may range between about 50,000 Daltons to about 30 million Daltons.

39. (New) The coating composition of claim 38, wherein the hyaluronic acid has a molecular weight of about 7 million Daltons.

40. (New) The coating composition of claim 29, wherein the heparin solution is selected from a group consisting of: low molecular weight heparin, unfractionated heparin and heparin having a molecular weight that may range between 5,000 Daltons and 30,000 Daltons.

41. (New) The coating composition of claim 29, wherein the article includes a material selected from a group consisting of: plastics, polymers, polyesters, polyolefins, polycarbonates, polyamides, polyethers, polyethylene, polytetrafluoroethylene, silicone, silicone rubber, rubber, polyurethane, DACRON, TEFLON, polyvinyl chloride, polystyrene, nylon, latex rubber, stainless steel, aluminum alloys, metal alloys, nickel, titanium, ceramics and glass.

42. (New) The method of claim 32, wherein the solution has a pH in a range between about 1 and 6.5.

43. (New) The method of claim 32, wherein the solution has a pH of about 2.

44. (New) The coating composition of claim 32, wherein the article includes a material selected from a group consisting of: plastics, polymers, polyesters, polyolefins, polycarbonates, polyamides, polyethers, polyethylene, polytetrafluoroethylene, silicone, silicone rubber, rubber, polyurethane, DACRON, TEFLON, polyvinyl chloride, polystyrene, nylon, latex rubber, stainless steel, aluminum alloys, metal alloys, nickel, titanium, ceramics and glass.

45. (New) A coated article manufactured in accordance with the method of claim 29.

46. (New) A coated article manufactured in accordance with the method of claim 32.

47. (New) A coating composition for use in coating a substrate material, comprising in a solution:

a base layer forming composition including hyaluronic acid, the base layer linkable with the substrate material without photochemical treatment; and
a biocompatible layer forming composition.